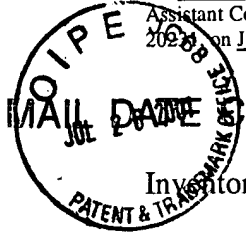


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20230 on July 25, 2001



UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor: Brad Bosworth & Peter Vögeli)

Serial No.: 09/844,268)

Examiner: N/A

Attorney Docket No. 21419/91513)

Art Unit: N/A

Filing Date: April 27, 2001)

Title: COMPOSITIONS TO IDENTIFY SWINE)

GENETICALLY RESISTANT TO F18 *E. COLI*)

ASSOCIATED DISEASES)

SUBMISSION OF SEQUENCE LISTING UNDER 37 C.F.R. § 1.821(e)

Assistant Commissioner for Patents
BOX MISSING PARTS
Washington, D.C. 20231

Dear Sir:

The paper copy of the Sequence Listing in this application 09/844,705, is identical to the computer readable copy of the Sequence Listing filed in application 09/443,766, filed November 19, 1999. In accordance with 37 C.F.R. § 1.821(e), please use the computer readable form filed in that application as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the instant application. A paper copy of the Sequence Listing is included in a separately filed preliminary amendment for incorporation into the specification.

No fees are believed due at this time, however, please charge any deficiencies or credit any overpayments to deposit account number 10-0435 with reference to our attorney docket number (21419/91513)

Respectfully Submitted,

Alice O. Martin
Attorney for Applicant
Reg. No. 35,601

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BARNES & THORNBURG
2600 Chase Plaza
10 South LaSalle Street
Chicago, Illinois 60603
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